



SEQUENCE LISTING

<110> Freyssinet, Georges
Derose, Richard
Hoffman, Jules

<120> Gene Coding for Thanatin, Vector
Containing Same and Resulting Transformed Disease-Resistant
Plants

<130> A33207-PCT-USA

<140> 09/554,024

<141> 2000-05-08

<150> PCT/FR98/02375

<151> 1998-11-06

<150> FR 97/14,263

<151> 1997-11-07

<160> 14

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 33

<212> DNA

<213> Psodius maculiventis

<220>

<221> CDS

<222> (1)...(33)

<400> 1

atc atc tac tgc aac agg agg act ggt aag tgc
Ile Ile Tyr Cys Asn Arg Arg Thr Gly Lys Cys
1 5 10

33

<210> 2

<211> 63

<212> DNA

<213> Artificial Sequence

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<222> (1)...(63)

<223> Derived from Psodius maculiventis

<400> 2

ggt tcc aag aag cca gtg cca atc atc tac tgc aac agg agg act ggt
Gly Ser Lys Lys Pro Val Pro Ile Ile Tyr Cys Asn Arg Arg Thr Gly
1 5 10 15

48

aag tgc cag agg atg
 Lys Cys Gln Arg Met
 20

63

<210> 3
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 <213> Artificial Sequence

<220>
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<221> CDS
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<400> 3
 ggt tcc aag aag cca gtg cca atc atc tac tgc aac agg agg act ggt 48
 Gly Ser Lys Lys Pro Val Pro Ile Ile Tyr Cys Asn Arg Arg Thr Gly
 1 5 10 15

aag tgc cag agg atg tgagctcggc gaggcgaacg tgcgacgga tccgg 98
 Lys Cys Gln Arg Met
 20

<210> 4
 <211> 106
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Derived from Psodius maculiventis

<221> CDS
 <222> (12)...(101)

<400> 4
 gcgtcgacgc c atg ggt ttc gtg ctt ttc tct cag ctt cca tct ttc ctt 50
 Met Gly Phe Val Leu Phe Ser Gln Leu Pro Ser Phe Leu
 1 5 10

ctt gtg tct act ctt ctt ctt ttc ctt gtg atc tct cac tct tgc cgt 98
 Leu Val Ser Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg
 15 20 25

gcc ggcga 106
 Ala
 30

<210> 5
 <211> 197
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Derived from *Psodius maculiventis*

<221> CDS

<222> (12)...(164)

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gcgtcgacgc c atg ggt ttc gtg ctt ttc tct cag ctt cca tct ttc ctt 50
Met Gly Phe Val Leu Phe Ser Gln Leu Pro Ser Phe Leu

1 5 10

ctt gtg tct act ctt ctt ctt ttc ctt gtg atc tct cac tct tgc cgt 98
Leu Val Ser Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg
15 20 25

gcc ggt tcc aag aag cca gtg cca atc atc tac tgc aac agg agg act 146
Ala Gly Ser Lys Lys Pro Val Pro Ile Ile Tyr Cys Asn Arg Arg Thr
30 35 40 45

ggt aag tgc cag agg atg tgagctcggc gaggcgaacg tgcgcacgga 194
Gly Lys Cys Gln Arg Met
50

tcc 197

<210> 6

<211> 75

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 6

gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
ctcttcttct ttccc 75

<210> 7

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 7

tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
aaagatggaa gc 72

<210> 8

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 8

ggttccaaga agccagtgcc aatcatctac tgcaacagga cg 42

<210> 9
 <211> 87
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 9
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 ctggttgagc agatgattgg cactggc 87

<210> 10
 <211> 85
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 10
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 ctctagagtc gacctgcagg catgc 85

<210> 11
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 11
 ccctgaacca ggctcgaggg cgcgcccttaa ttaaaagctt gcatgcctgc aggtcgactc 60
 tagagg 66

<210> 12
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 12
 ccggccagtc aggccacact taattaagtt taaacgcggc cccggcgcg ctaggtgtgt 60
 gctcgagggc ccaacctcag tacctggttc agg 93

<210> 13
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 13
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 gcgtttaaac ttaattaagt gtggcctgac tgg 93

<210> 14
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Derived from thanatin

<221> VARIANT
 <222> (1)...(1)
 <223> Variable residue

<221> VARIANT
 <222> (13)...(13)
 <223> Variable residue

<400> 14
 Xaa Ile Ile Tyr Cys Asn Arg Arg Thr Gly Lys Cys Xaa
 1 5 10

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